

LISTING OF THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A cooling device (10) for a retarder (48) of a vehicle engine (40), comprising

a first coolant circuit having (12) ~~with~~ a first coolant cooler (14) and a retarder cooler in the first circuit(20);

at least one further coolant circuit (22) ~~with~~ having a further coolant cooler (24) and a further cooler therein (30);

~~characterised by valve means (32) arranged to~~ a valve connected into the first and the further coolant circuits and operable to connect the first and further coolant circuits (12, 22) together upon activation of the retarder (48) so that at least two the first and further coolant coolers (14, 24) are then used connected for cooling the retarder (48), and operable to disconnect the first and further coolant circuits (12, 22) from one another so that they revert to being separate coolant circuits upon deactivation of the retarder (48).

2. (Currently Amended) A cooling device according to claim 1, ~~characterised by~~ further comprising:

a further valve means (34) arranged operable to disconnect the further cooler (30) from the further coolant circuit (22) upon activation of the retarder (48) and to connect the further cooler (30) to the further coolant circuit (22) upon deactivation of the retarder (48).

3. (Currently Amended) A cooling device according to ~~any one of the foregoing claims,~~ ~~characterised in that said~~ claim 1, wherein the valve means comprises a first directional valves (32, 34) valve operable between the connect and disconnect positions.

4. (Currently Amended) A cooling device according to ~~any one of the foregoing claims,~~
~~characterised in that~~ claim 1, wherein the first coolant circuit (12) also comprises an engine
radiator (42).

5. (Currently Amended) A cooling device according to claim 4, ~~characterised in~~
~~that said~~ wherein the further cooler (30) ~~takes the form of~~ comprises at least one or more out of a
~~number of coolers comprising~~ cooler selected from the group consisting of a charge air cooler, an
EGR cooler and a motor oil cooler.

6. (Currently Amended) A method of cooling a retarder (48) of a vehicle engine (40) ~~by~~
~~means of~~ with a cooling device (10) comprising a first coolant circuit (12) ~~with~~ including a coolant
cooler (14) and a retarder cooler 20 and comprising at least one further coolant circuit (22) ~~with~~
including a further coolant cooler (24) and a further cooler, the method comprising:

connecting (30), ~~characterised by~~ the coolant circuits (12, 22) ~~being connected~~
together upon activation of the retarder (48) so that at least the first and further ~~two~~ coolant coolers
(14, 24) are operable ~~then used~~ for cooling the retarder (48); and by

~~disconnection of~~ disconnecting the mutually connected first and further coolant circuits (12,
22) from one another so that they revert to being separate circuits upon deactivation of the retarder
(48).

7. (Currently Amended) A method according to claim 6, further comprising disconnecting
~~characterised by disconnection of~~ the further cooler (30) from the further coolant circuit (22)
upon activation of the retarder (48); and ~~by connection of~~ connecting the further cooler (30) to the
further coolant circuit (22) upon deactivation of the retarder (48).

8. (Currently Amended) In combination, a motor vehicle engine including a radiator of the engine, and a retarder operable for retarding the vehicle engine, in combination with the cooling device of claim 1[[;]], wherein the engine radiator ~~being~~ is in the first coolant circuit.